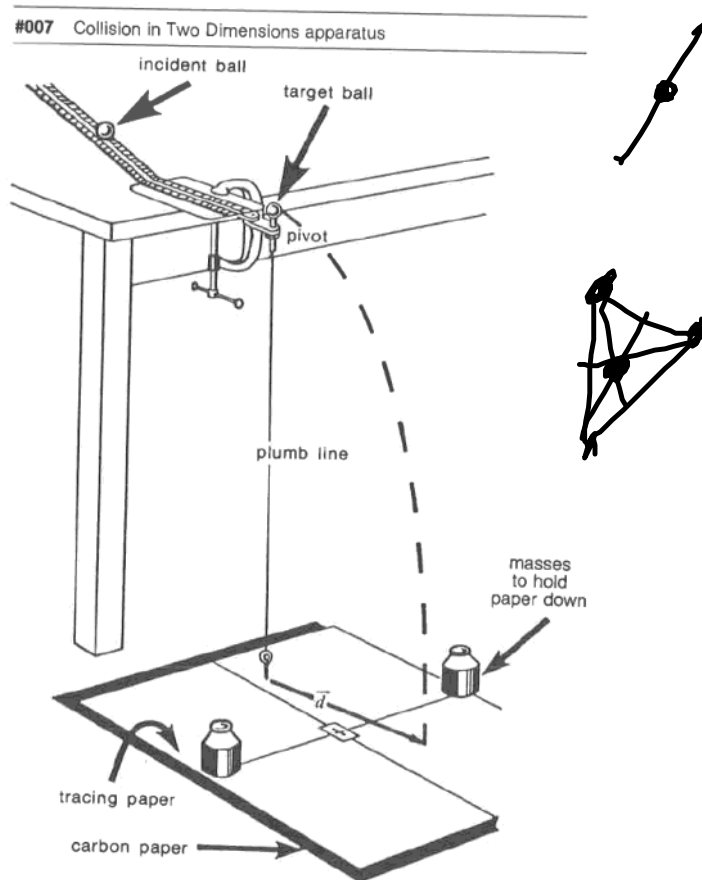


2-D Momentum Lab due January 10th (not formal - just scale diagrams and calculations)



I like to put the carbon paper on top of the tracing paper as we just use waste paper and you can tape the paper to the ground that way. Do 3 trials and use the centre of the 3 dots as your data point and the range as your uncertainty.

Data:

mass of incident ball: _____ (should be bigger than:
mass of target ball: _____
height of the collision point, h : _____
s of the incident ball No Collision, INC _____
(d on the diagram above, measured from collision point) this is your reference line -
angles are measured relative to the line from

collision point to the no collision point
s of incident ball Acute Collision, IAC _____
x component of IAC _____ to get $\theta =$ _____
s of target ball Acute Collision, TAC _____
x component of TAC _____ to get $\phi =$ _____
s of incident ball Oblique Collision, IOC _____
x component of IOC _____ to get $\theta =$ _____
s of target ball Oblique Collision, TOC _____
x component of TOC _____ to get $\phi =$ _____